Virginia Tech

Postdoctoral Associates in Statistics and Behavioral Sciences.

The Social and Decision Analytics Laboratory (SDAL) is seeking applications for postdoctoral associates in statistics and social and behavioral sciences. SDALis a leading laboratory in the Biocomplexity Institute (BI) of Virginia Tech. BI performs world-class informatics research in life sciences, social sciences, and human health by integrating theory, modeling and simulation with computational and experimental science in a transdisciplinary, team science research environment.

SDAL combines expertise in statistics and social sciences to develop evidence-based research and quantitative methods to inform policy decision-making and evaluation. The researchers at SDAL span many disciplines including statistics, economics, computational social science, psychology, political science, policy and program evaluation, and data governance and information architecture. SDAL methods integrate statistical learning, network science, cognitive science, behavioral economics, game theory, crowdsourcing, and machine learning.

SDAL researchers address complex social problems by leveraging the diversity of data flows available today including administrative and government records, surveys, social media, and sensors. Through team collaboration, the postdoctoral candidate is expected to develop the capacity to discover, repurpose and redirect these data flows to solve critical social problems. Computational complexity is at the heart of SDAL research and SDAL leverages all the research capability of BI, along with the High Performance Computing infrastructure.

The position will be offered at the rank of postdoctoral associate and will be located in Biocomplexity Institute's National Capital Region (NCR) location in Arlington, VA. Position reports to Sallie Keller, Professor and Director, Social and Decision Analytics Laboratory (SDAL), Biocomplexity Institute of Virginia Tech.

The ideal candidate will possess:
• Ph.D. in statistics, social and behavioral sciences, or in a very closely related field
• Willingness to work in a team science environment
• Experience with advanced approaches to statistics and data-driven model development
• Experience with statistical software systems such as R, programming, and databases
• Excellent communication skills, both oral and written, demonstrated through the development of publications and delivery of presentations.
• Be a strongly motivated, enthusiastic and self-driven individual who excels in a highly collaborative environment.

Preference will be given to those applicants with:
• Experience using diverse sources of data, both traditional ones such as surveys, and non-traditional ones, such as administrative data and social media.

To apply for this position, please go to www.jobs.vt.edu and search for posting number SR0170372. https://listings.jobs.vt.edu/hr/postings/81147

Those best meeting the qualifications will be contacted directly. Candidates who interview should prepare a summary of their coursework to date.

To learn more about the Biocomplexity Institute, please visit us at www.bi.vt.edu.

Virginia Tech is an equal opportunity and affirmative action employer. Women, minorities, individuals with disabilities, and protected veterans are strongly encouraged to apply. Anyone having questions concerning discrimination or accessibility should contact the Office for Equity and Accessibility.